

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(network and internet and access and telephone and priority and session and cti-switching and nodes and client and cost and bandwidth).clm.	US-PGPUB	OR	ON	2006/01/12 11:44
L2	1725	DPN	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/01/12 11:44
L3	2	(709/227,207,237).ccls. and DPN and (access\$3 same priorit\$4)	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/01/12 11:44
L4	1	DPN and (internet near10 (access\$3 same priorit\$4))	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/01/12 11:44
L5	30	DPN and (internet and (access\$3 same priorit\$4))	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/01/12 11:44
L6	2483	dial and internet and ((access\$3 or connect\$3) same priorit\$4)	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/01/12 11:44
L7	720	(dial\$3 near3 connection) and internet and ((access\$3 or connect\$3) same priorit\$4)	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/01/12 11:44
L8	11	("5455858"   "5651056"   "5787148"   "5917904"   "6128482"   "6148197"   "6148202"   "6292833"   "6304881"   "6311282"   "6339707").PN.	USPAT	OR	OFF	2006/01/12 11:44
L9	1	"6594480".URPN.	USPAT	OR	OFF	2006/01/12 11:44
L10	562	boys near donald	USPAT	OR	OFF	2006/01/12 11:44
L11	229	(boys near donald) and internet	USPAT	OR	OFF	2006/01/12 11:44
L12	81	(boys near donald) and internet and priority	USPAT	OR	OFF	2006/01/12 11:44
L13	0	(boys near donald).in. and internet and priority	USPAT	OR	OFF	2006/01/12 11:44
L14	31	(boys near donald).in.	US-PGPUB; USPAT	OR	OFF	2006/01/12 11:44
L15	55	(dial\$3 near3 connection) and internet and ((access\$3 or connect\$3) same priorit\$4) and CTI	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/01/12 11:44
L16	420	(dial\$3 near3 connection) and internet and ((access\$3 or connect\$3) same priorit\$4) and bandwidth	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/01/12 11:44

L17	691	((dial\$3 near3 connection) and internet and priorit\$4 and bandwidth) not ((dial\$3 near3 connection) and internet and ((access\$3 or connect\$3) same priorit\$4) and bandwidth)	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/01/12 11:44
L18	198	((dial\$3 near3 connection) and internet and priorit\$4 and bandwidth) not ((dial\$3 near3 connection) and internet and ((access\$3 or connect\$3) same priorit\$4) and bandwidth)	USPAT	OR	OFF	2006/01/12 11:44
L19	420	(dial\$3 near3 connection) and internet and ((access\$3 or connect\$3) same priorit\$4) and bandwidth	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/01/12 11:44
L20	168	(dial\$3 near3 connection) and internet and ((access\$3 or connect\$3) same priorit\$4) and bandwidth	USPAT	OR	OFF	2006/01/12 11:44
L21	20	(dial\$3 near3 connection) and internet and priorit\$4 and ((select\$3 or choos\$3) near5 bandwidth)	USPAT	OR	OFF	2006/01/12 11:44
L22	125	(dial\$3 near3 connection) and internet and ((access\$3 or connect\$3) same priorit\$4) and bandwidth and COST	USPAT	OR	OFF	2006/01/12 11:44
L23	125	(dial\$3 near3 connection) and internet and ((access\$3 or connect\$3) same priorit\$4) and bandwidth and "COST"	USPAT	OR	OFF	2006/01/12 11:44
L24	0	((cti cti-switch) with (priority-based)) and (monitor\$3 with (state\$1 near5 (connected adj session\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L25	0	((cti cti-switch) with (priority-based)) and (monitor\$3 with (state\$1 near5 ((connected online on-line) adj session\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L26	0	((cti cti-switch) with (priority)) and (monitor\$3 with (state\$1 near5 ((connected online on-line) adj session\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L27	0	((cti cti-switch) with (priorit\$3)) and (monitor\$3 with (state\$1 near5 ((connected online on-line) adj session\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44

L28	1	((cti cti-switch) with (priorit\$3)) and (monitor\$3 with (state\$1 near5 session\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L29	3	((cti cti-switch switch\$3) with (priorit\$3)) and (monitor\$3 with (state\$1 near5 session\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L30	5	("5790553"   "6333931"   "6339594"   "6356546"   "6373838").PN.	USPAT	OR	OFF	2006/01/12 11:44
L31	16	(709/227,207,237).ccls. and (monitor\$3 with (state\$1 near5 session\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L32	16	(370/217,352,401,410,467,496).ccls. and (monitor\$3 with (state\$1 near5 session\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L33	0	(370/217,352,401,410,467,496).ccls. and (monitor\$3 with (state\$1 near5 session\$1)) and (access near5 number%1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L34	0	(370/217,352,401,410,467,496).ccls. and (monitor\$3 with (session\$1)) and (access near5 number%1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L35	73	(370/217,352,401,410,467,496).ccls. and (monitor\$3 with (session\$1)) and (access near5 number\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L36	4	(370/217,352,401,410,467,496).ccls. and (monitor\$3 with (state\$1 near5 session\$1)) and (access near5 number\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L37	6	(370/217,352,401,410,467,496).ccls. and (monitor\$3 with (state\$1 near5 session\$1)) and (priorit\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L38	92	(370/217,352,401,410,467,496).ccls. and (monitor\$3 with (state\$1)) and (access same priorit\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L39	911	((dial\$5 access) near5 number\$1) with (internet adj (session connection access\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44

L40	0	((dial\$5 access) near5 number\$1) with (internet adj (session connection access\$2)) and (((list adj of) near5 (phone number\$1)) same (choos\$3 select\$3 pick\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L41	56	((dial\$5 access) near5 number\$1) with (internet adj (session connection access\$2)) and ((list\$1 near5 (phone number\$1)) same (choos\$3 select\$3 pick\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L42	9	("5918019"   "6081518"   "6144727"   "6147987"   "6215776"   "6233232"   "6278705"   "6282281"   "6295292").PN.	USPAT	OR	OFF	2006/01/12 11:44
L43	2486	((voice near over near IP) VOI) and priorit\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L44	2423	(voice near over near IP) and priorit\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L45	510	(voice near over near IP) and (priorit\$3 with (bandwidth cost availabilit\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L46	317	(voice near over near IP) and (priorit\$3 with (bandwidth cost availabilit\$3)) and ((lower higher) near5 priorit\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L47	72	(voice near over near IP) and (priorit\$3 with (bandwidth cost availabilit\$3)) and (switch\$3 same ((lower higher) near5 priorit\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L48	119	(voIP) and (priorit\$3 with (bandwidth cost availab\$7)) and (switch\$3 same ((low\$2 high\$2) near5 priorit\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L49	72	(voice near over near IP) and (priorit\$3 with (bandwidth cost availabilit\$3)) and (switch\$3 same ((lower higher) near5 priorit\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L50	65	(voIP) and (priorit\$3 with (bandwidth cost availab\$7)) and (switch\$3 same ((low\$2 high\$2) near5 priorit\$3)) not L49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L51	181	(voIP) and (priorit\$3 with (bandwidth cost availab\$7)) and (switch\$3 same priorit\$3) not L50	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44

L52	8	L51 and CTI\$9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44
L53	94	L51 and PSTN	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/01/12 11:44

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- ☐ 4. **A wireless local loop system based on wideband CDMA technology**  
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- ☐ 6. **Integrating Internet telephony services**  
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Digital Object Identifier 10.1109/MIC.2002.1003133  
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- ☐ 7. **RTP payload multiplexing between IP telephony gateways**

Subbiah, B.; Sengodan, S.; Rajahalme, J.;  
Global Telecommunications Conference, 1999. GLOBECOM '99  
Volume 2, 1999 Page(s):1121 - 1127 vol.2  
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Digital Object Identifier 10.1109/MIC.2002.1003133  
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- ☐ 3. **The development of personal communication services under the auspices of existing network technologies**  
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- ☐ 6. **Reordering soft handoff frames to minimise delay in CDMA cellular networks**  
Vukovic, I.N.; Pazhyannur, E.S.; Ali, I.; Fleming, P.J.;  
Communications, 2002. ICC 2002. IEEE International Conference on  
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- ☐ 7. **TCP for high performance in hybrid fiber coaxial broad-band access networks**



Cohen, R.; Ramanathan, S.;  
Networking, IEEE/ACM Transactions on  
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Digital Object Identifier 10.1109/90.663937

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☐ **8. A wireless local loop system based on wideband CDMA technology**

Young Ki Yoon; Ulema, M.;  
Communications Magazine, IEEE  
Volume 37, Issue 10, Oct. 1999 Page(s):128 - 135  
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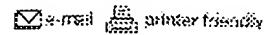
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Information, Communications and Signal Processing, 1997. ICICS., Proceedings of 1997 International Conference on  
Volume 1, 9-12 Sept. 1997 Page(s):148 - 151 vol.1  
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- ☐ **2. A teletraffic analysis of dial-up connections over PSTN**  
Garoppo, R.G.; Giordano, S.; Vaccaro, A.;  
Global Telecommunications Conference, 1998. GLOBECOM 98. The Bridge to Global Integration. IEEE  
Volume 2, 8-12 Nov. 1998 Page(s):1190 - 1195 vol.2  
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- ☐ **6. A multicast push caching system over a UDLR satellite link**  
Basu, P.; Kanchanasut, K.;  
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27-31 Jan. 2003 Page(s):46 - 49  
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- ☐ **7. PT Telkom results on field tests of asymmetric digital subscriber line-lite technology via ATM networks**  
Samosir, B.H.;  
ATM (ICATM 2001) and High Speed Intelligent Internet Symposium, 2001. Joint 4th IEEE International Conference on  
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- ☐ **8. On the effectiveness of DNS-based server selection**  
Shaikh, A.; Tewari, R.; Agrawal, M.;  
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- ☐ **9. A passive method for estimating end-to-end TCP packet loss**  
Benko, P.; Veres, A.;  
Global Telecommunications Conference, 2002. GLOBECOM '02. IEEE  
Volume 3, 17-21 Nov. 2002 Page(s):2609 - 2613 vol.3  
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- ☐ **10. Performance evaluation of Web browsing over hybrid fiber coaxial broad-band networks**  
Chit, I.T.M.; Patnam, M.K.; Chan, K.T.; Fook, F.S.;  
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<a href="#">#4</a>	((switch* and access <near> number*)<in>metadata)	81
<a href="#">#5</a>	(((((switch* and access <near> number*)<in>metadata))<AND>(internet and telephone<in>metadata)))	1
<a href="#">#6</a>	(((((switch* and access <near> number*)<in>metadata))<AND>(internet and telephone<in>metadata)))	1
<a href="#">#7</a>	(((((switch* and access <near> number*)<in>metadata))<AND>(internet and telephone<in>metadata)))	1
<a href="#">#8</a>	((switch* and dial-up and access <near> number*)<in>metadata)	
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<a href="#">#10</a>	((switch* and dial and access <near> number*)<in>metadata)	
<a href="#">#11</a>	((dial-up and internet and access and number)<in>metadata)	1
<a href="#">#12</a>	((dial-up and internet and access and number)<in>metadata)	1
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Terms used

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A. Michael Noll

August 1997 **Communications of the ACM**, Volume 40 Issue 8

Publisher: ACM Press

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## 2 [Design considerations for usage accounting and feedback in internetworks](#)



Deborah Estrin, Lixia Zhang

October 1990 **ACM SIGCOMM Computer Communication Review**, Volume 20 Issue 5

Publisher: ACM Press

Full text available:  pdf(1.09 MB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)


This paper investigates the design of resource usage feedback mechanisms for packet switched internetworks. After a discussion of the *motivations* for feedback mechanisms, *feedback channels* and *policies* are described. We then outline issues raised by the design of *mechanisms* to realize these policies, including: network service disciplines, accounting granularity, metrics, authentication, and coordination among transit carriers. Usage-based charging is only one means of ...


## 3 [4.2BSD and 4.3BSD as examples of the UNIX system](#)



John S. Quarterman, Abraham Silberschatz, James L. Peterson

December 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 4

Publisher: ACM Press

Full text available:  pdf(4.07 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


This paper presents an in-depth examination of the 4.2 Berkeley Software Distribution, Virtual VAX-11 Version (4.2BSD), which is a version of the UNIX Time-Sharing System. There are notes throughout on 4.3BSD, the forthcoming system from the University of California at Berkeley. We trace the historical development of the UNIX system from its conception in 1969 until today, and describe the design principles that have guided this development. We then present the internal data structures and ...

## 4 [Xunet 2: lessons from an early wide-area ATM testbed](#)



Charles R. Kalmanek, Srinivasan Keshav, William T. Marshall, Samuel P. Morgan, Robert C. Restrck

February 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 1

Publisher: IEEE Press

Full text available:  pdf(231.69 KB) Additional Information: [full citation](#), [references](#), [index terms](#)


**Keywords:** asynchronous transfer mode, available bit rate, constant bit rate, variable bit rate


5 The fuzzball



D. L. Mills

August 1988 **ACM SIGCOMM Computer Communication Review , Symposium proceedings on Communications architectures and protocols SIGCOMM '88**, Volume 18 Issue 4

**Publisher:** ACM Press

Full text available:  pdf(1.09 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Fuzzball is an operating system and applications library designed for the PDP11 family of computers. It was intended as a development platform and research pipewrench for the DARPA/NSF Internet, but has occasionally escaped to earn revenue in commercial service. It was designed, implemented and evolved over a seventeen-year era spanning the development of the ARPANET and TCP/IP protocol suites and can today be found at Internet outposts from Hawaii to Italy standing watch for adventurous ...

6 Improving and managing multimedia performance over TCP-IP nets



Nathan J. Muller

December 1998 **International Journal of Network Management**, Volume 8 Issue 6

**Publisher:** John Wiley & Sons, Inc.

Full text available:  pdf(338.34 KB)

Additional Information: [full citation](#), [abstract](#), [index terms](#)

The TCP-IP-based Internet and, consequently corporate Intranets, were not designed for multimedia traffic. This article discusses the several ways of improving multimedia performance, finding that data compression techniques are no longer the most important factor. © 1998 John Wiley & Sons, Ltd.

7 Managing transient internetwork links in the Xerox internet



Siranush Radicati

August 1984 **ACM Transactions on Information Systems (TOIS)**, Volume 2 Issue 3

**Publisher:** ACM Press

Full text available:  pdf(802.98 KB)

Additional Information: [full citation](#), [references](#), [index terms](#), [review](#)

8 Predictability requirements of a soft modem



Michael B. Jones, Stefan Saroiu

June 2001 **ACM SIGMETRICS Performance Evaluation Review , Proceedings of the 2001 ACM SIGMETRICS international conference on Measurement and modeling of computer systems SIGMETRICS '01**, Volume 29 Issue 1

**Publisher:** ACM Press

Full text available:  pdf(1.53 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

*Soft Modems* use the main processor to execute modem functions traditionally performed by hardware on the modem card. To function correctly, soft modems require that ongoing signal processing computations be performed on the host CPU in a timely manner. Thus, signal processing is a commonly occurring background real-time application---one running on systems that were not designed to support predictable real-time execution. This paper presents a detailed study of the performance characteristics ...

**Keywords:** CPU scheduling, Rialto, Rialto/NT, Windows 2000, Windows NT, open real-time system, real-time, signal processing, soft devices, soft modem

9 Analytical comparison of different GPRS introduction strategies



M. Ermel, K. Begain, T. Müller, J. Schüler, M. Schweigel

August 2000



**Proceedings of the 3rd ACM international workshop on Modeling,  
analysis and simulation of wireless and mobile systems**

**Publisher:** ACM Press

Full text available: [pdf\(731.68 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The ongoing introduction of GPRS services in existing GSM networks by mobile network providers raises the question of the best strategy to partition the available cell capacity. The paper describes three different strategies — complete partitioning, partial sharing and complete sharing. An analytical call/burst level model of one cell of a homogeneous multiservice GSM/GPRS network is used to investigate these strategies with respect to important performance measures like new a ...



**10** Chat II: How push-to-talk makes talk less pushy



Allison Woodruff, Paul M. Aoki

November 2003 **Proceedings of the 2003 international ACM SIGGROUP conference on Supporting group work**

**Publisher:** ACM Press

Full text available: [pdf\(356.48 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents an exploratory study of college-age students using two-way, push-to-talk cellular radios. We describe the observed and reported use of cellular radio by the participants. We discuss how the half-duplex, lightweight cellular radio communication was associated with reduced interactional commitment, which meant the cellular radios could be used for a wide range of conversation styles. One such style, intermittent conversation, is characterized by response delays. Intermittent co ...

**Keywords:** cellular radio, instant messaging, two-way radio, walkie talkies



**11** Open base situation transport (OBAST)architecture



Phillip D. Neumiller, Peter L. Lei, Michael L. Needham

July 2000 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 4 Issue 3

**Publisher:** ACM Press

Full text available: [pdf\(1.08 MB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper outlines the requirements for a set of open IP based protocols enabling seamless mobility across diverse radio access networks. We begin by stating some architectural tenets upon which the requirements for the OBAST protocol set are based. Furthermore, what the authors currently believe to be the eventual desirable wireless Internet architecture is described. This architecture is shown to enable a common protocol set that we refer to as the open base station transport (OBAST) protocol ...



**12** The United States vs. Craig Neidorf: A debate on electronic publishing, Constitutional rights and hacking



Dorothy E. Denning

March 1991 **Communications of the ACM**, Volume 34 Issue 3

**Publisher:** ACM Press

Full text available: [pdf\(2.47 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#), [review](#)



**13** Industry track papers and presentations: product lines: Experiences in assessing product family software architecture for evolution



Alessandro Maccari

May 2002 **Proceedings of the 24th International Conference on Software Engineering**

**Publisher:** ACM Press

Full text available: [pdf\(848.73 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Software architecture assessments are a means to detect architectural problems before the bulk of development work is done. They facilitate planning of improvement activities

early in the lifecycle and allow limiting the changes on any existing software. This is particularly beneficial when the architecture has been planned to (or already does) support a whole product family, or a set of products that share common requirements, architecture, components or code. As the family requirements evolve ...

14 Creating a campus network without funding or a campus strategic networking plan...



no kidding

Keith R. Nelson, Joyce L. Capen

October 1994 **Proceedings of the 22nd annual ACM SIGUCCS conference on User services**

**Publisher:** ACM Press

Full text available:  [pdf\(752.35 KB\)](#) Additional Information: [full citation](#), [index terms](#)


15 Identifying enterprise network vulnerabilities



Judith M. Myerson

April 2002 **International Journal of Network Management**, Volume 12 Issue 3

**Publisher:** John Wiley & Sons, Inc.

Full text available:  [pdf\(102.90 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

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